



Progress Energy Solutions

Company Focus

Progress Energy Solutions, Inc. (PES), a southeast regional energy services company and wholly owned subsidiary of Progress Energy, is dedicated to improving the operational efficiency of our institutional and governmental clients. Headquartered in Raleigh, North Carolina, PES utilizes proven solutions with short-term payback today, while laying the groundwork for long-term energy strategies tomorrow. PES provides our clients with services and technology to manage energy costs more effectively and leverage existing resources to improve their bottom line.

Performance Contracting


PES provides multi-year renovation and service partnerships that reduce the total cost of ownership, whether administering one building or a multi structure campus. Through this self-funding program, we enable clients to lower their current energy and operational expenditures by improving efficiency. These savings provide capital to fund needed facility improvements without impacting existing budgets. PES guarantees energy and operational savings in writing, thereby minimizing financial risks while helping our clients achieve an average of 15% to 30% reduction in costs. In lieu of the traditional approach to energy conservation projects, PES combines professional engineering services with integrated energy and facility management solutions to ensure a maximum return on your investment. Our program empowers clients to reduce maintenance, improve their facility infrastructure, and provide a safer, healthier environment for building occupants. Our creative financing options, combined with professional services and technology, deliver savings directly to the bottom line while making facilities better equipped for the future.

Experience

For fifteen years, PES has been delivering facilities solutions to institutional and governmental clients. In the last five years, we have managed over 50 governmental projects ranging from simple lighting retrofits to complex HVAC renovations. Critical to the success of our projects is the industry specific knowledge and experience of our employees. PES ensures a well-managed project delivered on time, on budget, and with the highest levels of customer satisfaction.

ESCO 1 (7/22/2002)	ENERGY SERVICES COMPANY - (ESCO)																																																																																		
	SYNOPSIS OF OFFICE RESPONSIBLE FOR CONTRACT																																																																																		
Submitted By (Firm Name): Progress Energy Solutions																																																																																			
Submittal For (Project Title): Services for Energy Performance Contracting																																																																																			
1) FIRM NAME AND ADDRESS: (office where work will be done) Progress Energy Solutions 412 South Wilmington St, OHS-6B4 Raleigh, NC 27601 TELEPHONE: 919 546-6111 FAX: 919 546-6804 FEIN / SSN: 11-3655713		2) YEARS IN BUSINESS a) Under Present name: Progress Energy Solutions 2 months b) List other names and years Strategic Resource Solutions (affiliate Co) 6 years ACT (affiliate Co) 12 years																																																																																	
3) NAMES OF PARENT COMPANIES: (if any) Progress Energy, Inc. TELEPHONE: 919 546-6111 FAX: 919 546-2468		4) SPECIFY TYPE OF OWNERSHIP: <table style="width: 100%; border: none;"> <tr> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td style="width: 80%;">Sole Proprietor</td> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td style="width: 10%;">MBE</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Partnership</td> <td style="text-align: center;"><input type="checkbox"/></td> <td>SBE</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Professional Corp.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td>WBE</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Corporation</td> <td></td> <td></td> </tr> </table> Virginia Certificate of Authority Dated: October 10, 2002		<input type="checkbox"/>	Sole Proprietor	<input type="checkbox"/>	MBE	<input type="checkbox"/>	Partnership	<input type="checkbox"/>	SBE	<input type="checkbox"/>	Professional Corp.	<input type="checkbox"/>	WBE	<input checked="" type="checkbox"/>	Corporation																																																																		
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5) NAMES OF NOT MORE THAN TWO PRINCIPALS TO CONTACT: (Title, e-mail, and Phone Number) <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Gregg Eaton</td> <td style="width: 30%;">Director, Business Development</td> <td style="width: 20%;">gregg.eaton@pgnmail.com</td> <td style="width: 20%;">919 546-7301</td> </tr> <tr> <td>John Hobbes</td> <td>Managing Director, Institutional/C&I</td> <td>john.hobbes@pgnmail.com</td> <td>919 546-7238</td> </tr> </table>				Gregg Eaton	Director, Business Development	gregg.eaton@pgnmail.com	919 546-7301	John Hobbes	Managing Director, Institutional/C&I	john.hobbes@pgnmail.com	919 546-7238																																																																								
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6) PROPOSED CONSULTANTS OR OTHER OFFICES PROVIDING SERVICES: <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>FIRM NAME</u></th> <th style="text-align: left;"><u>FUNCTION / RESPONSIBILITY</u></th> <th style="text-align: left;"><u>WORKED WITH PRIME BEFORE?</u></th> </tr> </thead> <tbody> <tr> <td>Mactec Inc.</td> <td>Engineering</td> <td>Yes</td> </tr> <tr> <td>Stantec, Inc.</td> <td>Engineering</td> <td>Yes</td> </tr> <tr> <td>Wiley & Wilson</td> <td>Engineering</td> <td>No</td> </tr> </tbody> </table>				<u>FIRM NAME</u>	<u>FUNCTION / RESPONSIBILITY</u>	<u>WORKED WITH PRIME BEFORE?</u>	Mactec Inc.	Engineering	Yes	Stantec, Inc.	Engineering	Yes	Wiley & Wilson	Engineering	No																																																																				
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7) NUMBER OF PERSONNEL IN FIRM AT (1) ABOVE BY RESPONSIBILITY (List each person only once) <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Licensed</u></th> <th style="text-align: center;"><u>Unlicensed</u></th> <th style="text-align: center;"><u>Company Total</u></th> <th style="text-align: center;"><u>Assigned to Project</u></th> </tr> </thead> <tbody> <tr><td>Project Managers</td><td style="text-align: center;">2</td><td style="text-align: center;">12</td><td style="text-align: center;">14</td><td style="text-align: center;">3</td></tr> <tr><td>Energy Specialists</td><td style="text-align: center;"></td><td style="text-align: center;">4</td><td style="text-align: center;">4</td><td style="text-align: center;">2</td></tr> <tr><td>Estimators</td><td style="text-align: center;"></td><td style="text-align: center;">1</td><td style="text-align: center;">1</td><td style="text-align: center;">1</td></tr> <tr><td>Schedulers</td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;">0</td><td style="text-align: center;"></td></tr> <tr><td>Safety Officers</td><td style="text-align: center;"></td><td style="text-align: center;">1</td><td style="text-align: center;">1</td><td style="text-align: center;">1</td></tr> <tr><td>Procurement</td><td style="text-align: center;">1</td><td style="text-align: center;">1</td><td style="text-align: center;">2</td><td style="text-align: center;">1</td></tr> <tr><td>Accountants</td><td style="text-align: center;"></td><td style="text-align: center;">6</td><td style="text-align: center;">6</td><td style="text-align: center;">1</td></tr> <tr><td>Clerical Staff</td><td style="text-align: center;"></td><td style="text-align: center;">8</td><td style="text-align: center;">8</td><td style="text-align: center;">1</td></tr> <tr><td>Inspectors</td><td style="text-align: center;"></td><td style="text-align: center;">1</td><td style="text-align: center;">1</td><td style="text-align: center;">1</td></tr> <tr><td>Haz Mat Specialists</td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;">0</td><td style="text-align: center;"></td></tr> <tr><td>Engineers</td><td style="text-align: center;">2</td><td style="text-align: center;">6</td><td style="text-align: center;">8</td><td style="text-align: center;">1</td></tr> <tr><td>Architects</td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;">0</td><td style="text-align: center;"></td></tr> <tr><td>CADD Operators</td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;">0</td><td style="text-align: center;"></td></tr> <tr><td>Specifications</td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;">0</td><td style="text-align: center;"></td></tr> <tr> <td>TOTALS</td> <td style="text-align: center;">5</td> <td style="text-align: center;">40</td> <td style="text-align: center;">45</td> <td style="text-align: center;">12</td> </tr> </tbody> </table>					<u>Licensed</u>	<u>Unlicensed</u>	<u>Company Total</u>	<u>Assigned to Project</u>	Project Managers	2	12	14	3	Energy Specialists		4	4	2	Estimators		1	1	1	Schedulers			0		Safety Officers		1	1	1	Procurement	1	1	2	1	Accountants		6	6	1	Clerical Staff		8	8	1	Inspectors		1	1	1	Haz Mat Specialists			0		Engineers	2	6	8	1	Architects			0		CADD Operators			0		Specifications			0		TOTALS	5	40	45	12
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ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY - (ESCO)	
PERSONNEL QUALIFICATIONS		
Submitted By (Firm Name): Progress Energy Solutions, Inc.		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Richard Allingham, Operations Manager <div style="margin-left: 40px;"> TYPICAL DUTY OR ASSIGNMENT: Front-line Operations Project Manager for all PES Smart Performance Contracting Projects for the US Eastern Region. </div>		
2) ASSIGNMENT FOR THIS PROJECT: <div style="margin-left: 40px;"> Front-line Operations Project Manager. Oversee and monitor the delivery schedules of project managers and engineer. </div> <div style="margin-left: 40px;"> PERCENT OF TYPICAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As required</u> PERCENT </div>		
3) EMPLOYEE OF: Progress Energy Solutions, Inc.		
4) YEARS OF EXPERIENCE: <div style="margin-left: 40px;"> <u>30</u> TOTAL EXPERIENCE <u>5</u> WITH THIS FIRM </div>		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: <div style="margin-left: 40px;"> Michigan State University / B.A., Business Administration / 1969 / Business Administration </div>		
6) ACTIVE REGISTRATION IF APPLICABLE: Year first registered / State / Discipline or Type <div style="margin-left: 40px;"> COMMONWEALTH OF VIRGINIA REGISTRATION / LICENSE NUMBER: ARCHITECT # _____ or ENGINEER # _____ VA Contractors License # <u>2705 044724A</u> </div>		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS CONTRACT <div style="margin-left: 40px;"> Mr. Allingham possesses more than thirty years of construction contracting experience. Since 1997 he has managed over \$20 million in Energy Conservation project work. Projects included lighting retrofits, co-generation, mechanical retrofits, electrical infrastructure upgrades HVAC controls replacement, Facility Management System installs, etc. </div>		
The foregoing is a statement of fact. <div style="display: flex; justify-content: space-between;"> <div> Typed name John L. Bosch and title: Vice President </div> <div> Signature: _____ Date: _____ </div> </div>		

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY - (ESCO) PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Stantec Consulting Services Inc.		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: P. Tony Lewis, PE TYPICAL DUTY OR ASSIGNMENT: Lead Mechanical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Lead Mechanical Engineer PRECENT OF TYPICAL 40 HOUR WORK WEEK THIS PERSON WOULD SPEND ON PROJECT: 85 PERCENT		
3) EMPLOYEE OF: Stantec Consulting Services Inc. - Raleigh, NC		
4) YEARS OF EXPERIENCE: 20 TOTAL EXPERIENCE 3 WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: M.S. / 1981 / Mechanical Engineering B.S. / 1980 / Nuclear Engineering		
6) ACTIVE REGISTRATION IF APPLICABLE: Year first registered / State / Discipline or Type 1984 / Professional Engineer / NC COMMONWEALTH OF VIRGINIA REGISTRATION / LICENSE NUMBER: ARCHITECT # or ENGINEER #		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS CONTRACT Guilford Fibers Textiles, Fuquay-Varina, NC. Project Manager for energy audit in preparation of building addition to an existing facility. Performed audits to identify potential areas for reducing energy consumption without impacting plant production and		
The foregoing is a statement of fact. Typed name Signature:  and title: Date: December 17, 2002		

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO)	
	PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: M. Lee Belcher		
TYPICAL DUTY OR ASSIGNMENT: Mechanical Designer		
2) ASSIGNMENT FOR THIS PROJECT: Mechanical Designer		
PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE:		
<u>17</u> YEARS TOTAL EXPERIENCE <u><1</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION:		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type		
COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER:		
Architect _____ or Engineer # _____		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.)		
<p>Virginia Department of Transportation, Richmond, VA <i>Headquarters Annex Building Renovations</i> – Removal and replacement of all lined ductwork with associated improvements to architectural finishes and lighting system.</p> <p>Medical College of Virginia, Richmond, VA</p> <ul style="list-style-type: none"> • <i>North Hospital</i> - Renovation work throughout the building • <i>Gateway Building</i> – HVAC system <p>Eden, NC <i>Elementary School</i> – Perimeter induction units</p> <p>Bailey Bridge High School, Chesterfield County, VA <i>New High School Building</i> – Roof mounted VAV units</p>		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson.		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Neil E. McSweeney, PE TYPICAL DUTY OR ASSIGNMENT: Officer-in-Charge, Project Manager and Mechanical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Senior Mechanical Engineer PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <div style="display: flex; justify-content: space-between;"> <u>13</u> YEARS TOTAL EXPERIENCE <u>13</u> YEARS WITH THIS FIRM </div>		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Virginia Military Institute / B.S. / Mechanical Engineering		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1994 / Virginia / Mechanical Engineer COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # <u>024794</u>		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) <p>Mr. McSweeney is a Mechanical Engineer with experience in HVAC, plumbing, and fire protection systems. He has worked on utility studies, energy studies, industrial mechanical systems, fire suppression systems, and HVAC system design.</p> <p>Naval Facilities Engineering Command, Atlantic Division, Norfolk, VA</p> <ul style="list-style-type: none"> Survey and identification for sources of oily waste/waste oil at the following: Norfolk Naval Shipyard; Naval Weapons Station; NAS Oceana; Norfolk Naval Base; Yorktown Fuels Terminal; FCTCLANT; Dam Neck; and Cheatham Annex, Williamsburg; as the first phase of an Oily Waste/Waste Oil Management Plan. <i>Operations Center, Operation Test and Evaluation Force, Norfolk, VA.</i> Performed a computerized energy analysis/load program to determine the optimal HVAC system for the 58,000-SF, three-story operations center. The energy analysis included a life cycle cost analysis of three system options. <p>Virginia Community College System Term Contract, Richmond, VA</p> <ul style="list-style-type: none"> <i>Northern Virginia Community College Fire Alarm Improvements.</i> Replace Fire Alarm Systems in seven buildings and provide campus annunciator. <i>New River Community College Mechanical and Electrical Upgrades to Martin and Godbey Halls.</i> Boiler replacement, HVAC improvements and electrical distribution upgrade. <p>City of Portsmouth Public Library, Portsmouth, VA <i>Repair/Replace HVAC System and Controls.</i> Prepared study to determine feasibility and budget and then prepare final design for the \$250,000 project to eliminate humidity problems.</p> <p>Virginia Department of General Services, Richmond, VA <i>Renovations to the Thomas Jefferson Building.</i> Includes HVAC, plumbing, and fire protection renovations for a 16-story office building.</p>		
The foregoing is a statement of fact. Typed name John H. Epperson, PE Title: Vice President		Signature: _____ Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Bernard E. Mazanec, AIA TYPICAL DUTY OR ASSIGNMENT: Architect		
2) ASSIGNMENT FOR THIS PROJECT: Architect PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <u>44</u> YEARS TOTAL EXPERIENCE <u>16</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Montana State University / A.I.A. / 1958 / Architecture		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1987 / Virginia / American Institute of Architects COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect <u>006646</u> or Engineer # _____		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) Commonwealth of Virginia, Department of Mental Health, Mental Retardation, and Substance Abuse Services, Richmond, VA <i>DeJarnette Center, Staunton, VA.</i> An existing facility requiring door hardware modifications and the addition of electromagnetic door controls for security and monitoring. Provided contract documents for 40 doors and gates. James Madison University, Harrisonburg, VA Designed and detailed a 12,000-square foot suspended acoustical panel ceiling in this circular Gibbons Hall dining facility. Sculptured panels were used for accent. Fort Lee, VA <i>Fort Eustis, VA.</i> Developed reroofing specifications for Building 2750 with 48,205-square foot multi-level roof areas. Work involved the demolition and removal of insulation and roofing systems to the existing gypsum concrete roof deck. New work required repair of existing gypsum concrete deck, and the installation of rigid insulation, flashing, and a coal-tar build-up roofing system for FM 1-90 wind uplift conditions. Randolph-Macon Woman's College, Lynchburg, VA An existing athletic facility requiring access through an existing window wall to a pedestrian bridge. Required a site visit to collect information for design development and construction documents for a new exit. American University, Washington, DC <i>Leonard Hall Renovations.</i> Project Architect on this 83,528-square foot eight-story campus dormitory housing over 360 students. Prepared contract documents for work which included selective demolition of interior spaces; replacement of all windows, floor coverings, and ceiling materials; a complete redesign of toilet and shower areas on all floors for single, co-ed, and handicapped occupancy.		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

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Submitted By (Firm Name): Wiley & Wilson Submittal For (Project Title): Services for Energy Performance Contracting			
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.			
1) NAME AND TITLE: Phillip C. Harris, PE TYPICAL DUTY OR ASSIGNMENT: Project Manager, Mechanical Engineer			
2) ASSIGNMENT FOR THIS PROJECT: Mechanical Engineer PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT			
3) EMPLOYEE OF: Wiley & Wilson			
4) YEARS OF EXPERIENCE: <u>23</u> YEARS TOTAL EXPERIENCE <u>21</u> YEARS WITH THIS FIRM			
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Virginia Polytechnic Institute & State University / B.S. / 1979 / Civil Engineering			
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1984 / Virginia, 1992 / Tennessee, Kentucky, Maryland, 1993 / Pennsylvania, Texas, Rhode Island, 1995 / District of Columbia, West Virginia / Mechanical Engineering COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # <u>014870</u>			
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) City of Chesapeake, VA Energy conservation studies on 36 municipal buildings. Energy conservation, operation and maintenance recommendations saved an estimated \$54,407 per year in fuel costs and had a simple payback of 2.8 years. The energy conservation recommendations for the buildings were designed after City approval. U.S. Naval Academy, Annapolis, MD Assisted in energy saving modifications and upgrade to the HVAC and EMCS systems of five buildings on the U.S. Naval Academy campus. Naval Facilities Engineering Command, SOUTH DIV, Charleston, SC Utility systems analysis on four buildings used for technical training of Navy personnel. Existing system capacities were obtained, future needs were projected and recommendations were made to simplify systems operation and provide energy efficiency. Naval Facilities Engineering Command, Atlantic Division, Norfolk, VA Energy conservation studies on 33 buildings. Energy conservation recommendations saved an estimated \$49,952 per year in fuel costs and had a simple payback of 3.8 years. Bureau of Engraving and Printing, Washington, DC Mechanical design for a cylinder plating line. Design included HVAC, process chilled water, compressed air, and other utilities. Design of fume exhausts and waste collection systems was also included.			
The foregoing is a statement of fact. Typed name John H. Epperson, PE Title: Vice President		Signature: _____ Date: March 23, 2003	

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Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: John L. Guenthner		
TYPICAL DUTY OR ASSIGNMENT: Senior Designer		
2) ASSIGNMENT FOR THIS PROJECT: Mechanical Designer		
PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <u>27</u> YEARS TOTAL EXPERIENCE <u>17</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Mechanical System Design – 1974 North Dakota State School of Science		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # _____		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) Thomas Jefferson Memorial Foundation, Charlottesville, VA <i>Monticello - HVAC Study.</i> Conducted field air flow tests and mechanical equipment survey for 35-room, four-story mansion. Heating and cooling load estimates for new environmental control system. University of Virginia, Charlottesville, VA Major HVAC installation for the preservation of library resources. Design of HVAC ductwork, piping, and mechanical equipment for environmental control of 240,000-square foot library. Work had to be accomplished with minimal impact on architecturally sensitive facility located in the heart of the UVA campus. Virginia Military Institute, Lexington, VA Mechanical systems design for new science laboratories including heating, air conditioning, power services, and hazardous fume exhaust system. Variable air volume air conditioning system design for the facility's offices and administration pavilion was included. E. I. DuPont de Nemours, Waynesboro, VA <ul style="list-style-type: none"> <i>Standard Procedures for HVAC System.</i> Developed standard operating procedures for modern textile fiber plant's HVAC systems. Procedures contain descriptions of the HVAC equipment and control system including specific details on proper operation and maintenance of the various system components. These documents will also be used for ISO 9000 certification and training purposes. <i>HVAC System Testing and Balancing.</i> Provided startup, testing, and balancing of the plant's 32 HVAC systems. All systems needed to be completed within a 6-week period to comply with the owner's aggressive schedule. Supply systems were balanced within 10 percent of design and exhaust systems within 5 percent of design as required by specification. 		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO)	
	PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: P. Leland Gammon, PE		
TYPICAL DUTY OR ASSIGNMENT: Project Manager, Electrical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Electrical Engineer		
PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <div style="display: flex; justify-content: space-between;"> <u>40</u> YEARS TOTAL EXPERIENCE <u>39</u> YEARS WITH THIS FIRM </div>		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: I.C.S. / Electrical Engineering Power Option / 1978		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1989 / Virginia / Electrical Engineer, also in District of Columbia COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # <u>019861</u>		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.)		
<p>Framatome Technologies, Inc., Lynchburg, VA <i>Old Forest Road East Building, HVAC and Electrical Rehabilitation.</i> This project included the upgrading of the lighting controls for the building to reduce energy costs. The building is a three floor office facility with approximately 150,000 square feet. Previously, most lighting was switched off and on by circuit breakers in the panelboards. The new controls for the building included a computer controlled relay "sweep" system which turns all lights off and on according to a programmed schedule. The lighting is maintained at full level during working hours, at half-level during building cleaning, and off at night and on weekends. Individual codes entered on touch-tone telephones allow workers to control the lighting in their immediate areas during off-hours. Occupancy sensors for automatic lighting control were installed in all private offices, conference rooms, restrooms, and work areas.</p> <p>University of Virginia, Charlottesville, VA <i>Alderman Library.</i> New electrical service and replacement of air conditioning systems for large University library which already exists. Work also included design of new fire alarm system and emergency lighting. The fire alarm system was integrated into a new digital energy control system designed to maintain temperatures and humidity in the library. The digital energy control system communicates over telephone lines to an existing computer in the physical plant for 24-hour a day remote monitoring.</p> <p>Montgomery College, Rockville, MD <i>Germantown Campus Single-Point Metering Study.</i> This study sought to determine if single-point metering is a viable method for reducing electricity costs. The study evaluated the metering of electrical energy use at a single point with the installation of a college-owned primary distribution system versus the present system of multiple-point metering with a power company-owned primary distribution system and meters at each building.</p> <p>Commonwealth of Virginia, Radford University, Radford, VA <i>Upgrade Primary Electrical Distribution System.</i> This project was done in two phases. The project consisted of the replacement of 25,000 linear feet of triplexed medium voltage cable in existing duct bank system, replacement of 23 manholes, replacement of primary loop switches in 15 building transformer vaults; and the provision of cable fault indicators in 28 building transformer vaults. New loop switches in 12 of the transformer vaults are three-way 15-kV, load interrupting SF₆ switches.</p>		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS		
Submitted By (Firm Name): Wiley & Wilson, Inc.			
Submittal For (Project Title): Services for Energy Performance Contracting			
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.			
1) NAME AND TITLE: James E. Fisher, AIA TYPICAL DUTY OR ASSIGNMENT: Project Manager/Architect			
2) ASSIGNMENT FOR THIS PROJECT: Lead Architect PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT			
3) EMPLOYEE OF: Wiley & Wilson			
4) YEARS OF EXPERIENCE: <u>37</u> YEARS TOTAL EXPERIENCE <u>10</u> YEARS WITH THIS FIRM			
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: University of Virginia Extension / Architecture			
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1981 / Virginia / Architecture COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect <u>004780</u> or Engineer # _____			
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) Virginia School for the Deaf, Blind and Multi-Disabled at Hampton Project Architect for roof replacements to Jones & Ritter Halls and Buildings 16 & 17. Richard Bland College of the College of William and Mary, Petersburg, VA <ul style="list-style-type: none"> <i>Humanities Building Window Replacement.</i> The window replacement involved removing 170 existing double-hung single-panel windows and replacing with double-hung insulated glass windows. Re-roofing with single-ply membrane, slate shingles and porch roof extension. Miscellaneous buildings exterior renovations included metal roofs, vinyl siding, window replacement and doors. Commonwealth of Virginia, Department of Mental Health, Mental Retardation, and Substance Abuse Services, Richmond, VA Southeastern and Southwestern Virginia Training Centers, Chesapeake and Hillsville, VA - A preplanning study to replace HVAC systems and improve the energy efficiency at the sites. Methods studied included ground-source heat pumps, air-to-air heat pumps, variable-air-volume reheat systems, and replacement in-kind with the present system. New River Community College, Dublin, VA Modifications to Martin Hall HVAC and electrical systems.			
The foregoing is a statement of fact. Typed name John H. Epperson, PE Title: Vice President		Signature: _____ Date: March 23, 2003	

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO)	
	PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: John H. Epperson, PE		
TYPICAL DUTY OR ASSIGNMENT: Project Manager and Senior Electrical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Project Manager/Lead Electrical Engineer		
PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <u>26</u> YEARS TOTAL EXPERIENCE <u>2</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE/ DEGREE(S) / YEAR / SPECIALIZATION: VPI & SU / Professional Engineer / 1979 / Electrical Engineer		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1979 / Virginia / Electrical Engineer COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # <u>011087</u>		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) <p>Mr. Epperson's experience includes design and/or study of electrical systems for educational and institutional facilities, research laboratories, computer facilities, automotive repair facilities, warehouses, and multi-story office buildings. He has been involved in all phases of the study/design process from analysis and preliminary design to working drawings and final contract documents. He has been responsible for preparation of plans, specifications, and cost estimates and has been actively involved in construction administration and project management.</p> <p>Virginia School for the Deaf, Blind, & Multi-Disabled at Hampton, VA <i>HVAC Improvements – Various Buildings.</i> Repairs, modifications, and/or replacement of HVAC and certain associated electrical equipment and connections at various buildings at VSDBM – Hampton. The work includes boiler replacements and HVAC modifications at Price, Ritter, Jones, and Stryker Halls.</p> <p>Virginia Community College System Term Contract, Richmond, VA <i>New River Community College Mechanical and Electrical Upgrades to Martin and Godbey Halls.</i> Boiler replacement, HVAC improvements and electrical distribution upgrade.</p> <p>Commonwealth of Virginia, Department of Aviation, Richmond, VA <i>Lightning Protection/Transient Voltage Surge Suppression at 19 Airport Facilities.</i> Project included investigation of the power and grounding systems for the Automated Weather Operating System (AWOS) equipment at each of 19 airport facilities throughout the Commonwealth of Virginia.</p> <p>Tidewater Community College, VA</p> <ul style="list-style-type: none"> • New Entrances for Buildings D, E and F - Virginia Beach Campus • Center for Information Technology - Portsmouth Campus • Site Lighting Modifications - Virginia Beach Campus • Campus Entrance Modifications - Portsmouth, Chesapeake, and Virginia Beach Campuses 		
The foregoing is a statement of fact.		
Typed name John H. Epperson, PE		Signature: _____
Title: Vice President		Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO)	
	PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Katherine N. Cox, EIT		
TYPICAL DUTY OR ASSIGNMENT: Mechanical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Mechanical Engineer		
PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <u>1.5</u> YEARS TOTAL EXPERIENCE <u><1</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: Old Dominion University/B.S./2002/Mechanical Engineering		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # _____		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) NAS Oceana, Virginia Beach, VA <i>Replace Fire Protection Systems in Hangars 200 & 500.</i> Replace overhead wet-pipe sprinkler system and provide new under-wing AFFF fire suppression system in existing aircraft hangars 200 and 500 at Oceana NAS, Virginia Beach, Virginia. The work also includes the provision of building additions to accommodate the new AFFF equipment and the replacement of existing fire pumps and associated electrical equipment. The project was designed under the new Navy criteria for under-wing fire protection utilizing trench nozzles and set the criteria for the lean-to hangar design of Hangar 500. Virginia Community College System Term Contract, Richmond, VA <i>New River Community College Mechanical and Electrical Upgrades to Martin and Godbey Halls.</i> Boiler replacement, HVAC improvements and electrical distribution upgrade. Virginia School for the Deaf, Blind, & Multi-Disabled at Hampton. <i>HVAC Improvements – Various Buildings.</i> Repairs, modifications, and/or replacement of HVAC and certain associated electrical equipment and connections at various buildings at VSDBM – Hampton. The work includes boiler replacements and HVAC modifications at Price, Ritter, Jones, and Stryker Halls.		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS	
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Submitted By (Firm Name): **Wiley & Wilson**

Submittal For (Project Title): Services for Energy Performance Contracting

BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.

1) NAME AND TITLE: John L. Clark
 TYPICAL DUTY OR ASSIGNMENT: Electrical Designer

2) ASSIGNMENT FOR THIS PROJECT: Electrical Designer
 PERCENT OF TYPICAL 40 HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: As Required PERCENT

3) EMPLOYEE OF: Wiley & Wilson

4) YEARS OF EXPERIENCE:
31 YEARS TOTAL EXPERIENCE 2 YEARS WITH THIS FIRM

5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION:
 Classes at Virginia Commonwealth University

6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type
 COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER:
 ARCHITECT # _____ or ENGINEER # _____

7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT:
 (List up to six (6) relevant projects and indicate your role and responsibility for each.)

Mr. Clark has 35 years of experience as a lighting designer. He is a member of the Illuminating Engineering Society.

George Mason Middle/High School
 \$15 million renovation and addition to existing school. Included combining two existing 208v services into one 480v, three-phase service. Also included new lighting, power, telephone, data, sound, and CATV.

Army National Guard Headquarters, Washington, DC
 \$30 million complex including two parking garages and two multi-story buildings. Each building involved had its own electrical service. Two 750-KW standby generators running in parallel were provided power for life safety and redundant 750-kVA UPS systems.

Westminster Canterbury, Charlottesville, VA
 \$15 million complex. Multi-story retirement community with independent living, healthcare facilities, and individual cottages on site.

FBI Engineering Research Facility
 \$50-\$65 million complex. New three-building complex, three levels each. Special lighting for certain labs. Installed lightning dissipation arrays for protection of sensitive electronic equipment. Designed three 1500 kW prime generators to carry complex during long power outage and site lighting for security.

Defense Mapping Agency Fourth Floor Renovation
 Complete renovation of lighting and power for agency changeover to electronic workstations with strict lighting requirements of 0.5 footcandle vertical at the CRT and 0.5 footcandle horizontal at the work plane.

Swemm Library – College of William and Mary
 Renovation of existing four-story library and two new three-story additions to the existing building. The existing 209-v service was phased out during construction and switched over to a new incoming 480-v service.

The foregoing is a statement of fact.

Typed name John H. Epperson, PE Signature: _____

Title: Vice President Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Kenneth L. Peery, II TYPICAL DUTY OR ASSIGNMENT: Electrical Designer		
2) ASSIGNMENT FOR THIS PROJECT: Electrical Designer PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <u>18</u> YEARS TOTAL EXPERIENCE <u>15</u> YEARS WITH THIS FIRM		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION:		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # _____		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) <p>Commonwealth of Virginia, Department of Mental Health, Mental Retardation, and Substance Abuse Services, Richmond, VA Lead designer on several projects throughout the Commonwealth of Virginia. Each project replaced or modified heating/cooling systems, which required replacement or expansion of existing electrical switchboards and motor control centers. Selected projects included connection to emergency power systems and design for automatic transfer schemes.</p> <p>Virginia Science Museum, Richmond, VA Designed auxiliary power system for use during special occasions on site of the old train station platform. System was designed to be easily employed when necessary, yet still be "hidden" when not in use.</p> <p>University of Virginia, Charlottesville, VA Conducted an on-site load study of critical electrical risers at the University hospital.</p> <p>Virginia Army National Guard, U.S. Property & Fiscal Office, Richmond, VA <i>Fort A.P. Hill, Bowling Green, VA.</i> Provided complete electrical design package for a new two-story instructional facility including lighting (interior and exterior), convenience power, HVAC power, grounding, and fire detection as well as new overhead power service to the site.</p> <p>General Services Administration, Philadelphia, PA <i>Poff Federal Office Building, Roanoke, VA.</i> Designed new lighting system for seven floors of Federal Building. Included general office space and specialized areas such as judge's chambers, prisoner holding cells, interrogation rooms, marshal's office, and other courtroom support areas.</p>		
The foregoing is a statement of fact.		
Typed name	John H. Epperson, PE	Signature: _____
Title:	Vice President	Date: March 23, 2003

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS	
Submitted By (Firm Name): Wiley & Wilson		
Submittal For (Project Title): Services for Energy Performance Contracting		
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.		
1) NAME AND TITLE: Courtenay B. Reynolds, PE TYPICAL DUTY OR ASSIGNMENT: Senior Electrical Engineer		
2) ASSIGNMENT FOR THIS PROJECT: Senior Electrical Engineer PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: <u>As Required</u> PERCENT		
3) EMPLOYEE OF: Wiley & Wilson		
4) YEARS OF EXPERIENCE: <div style="display: flex; justify-content: space-between;"> <u>34</u> YEARS TOTAL EXPERIENCE <u><1</u> YEARS WITH THIS FIRM </div>		
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: VPI & SU/BS/1967/Electrical Engineering Power Option		
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # <u>05701</u>		
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) <div style="margin-top: 20px;"> Lighting System Upgrade, Naval Supply Center, Norfolk, VA New lighting system upgrades for 23 material warehouses and 3 pier buildings at the Naval Supply Center. Lighting upgrades designed for electric energy conservation and personnel safety. Design included new fluorescent and HID lighting for 3 million square feet of warehousing. </div> <div style="margin-top: 20px;"> University of Virginia Engineering School Renovation, Charlottesville, VA Renovation of Thornton Hall containing the computer science and electrical engineering schools. Design included lighting, power, controls, fire alarm, computer local area networks, and security systems. </div> <div style="margin-top: 20px;"> Electrical System Upgrade, St Juliens Creek Annex, Norfolk Naval Shipyard, Portsmouth, VA Electric power system upgrade to 17 existing explosion proof substations serving existing facilities at the World War II era ordinance base being converted to general maintenance and office facilities by the Navy. Design included a new overhead 34.5kv distribution system with pole mounted transformers, low voltage service drops and fused outdoor main panel boards located at each existing pad mounted substation to serve and protect the existing distribution feeders. </div> <div style="margin-top: 20px;"> County of Chesterfield, VA Alteration to the County public safety office building to include a combined police, fire and rescue emergency (911) communications center (ECC). Design included lighting, power, controls, fire alarm, emergency generator, uninterruptible power supply and data communications link to the existing County computer center. Conversion of the vacated ECC to an emergency training room. </div>		
The foregoing is a statement of fact.		
Typed name John H. Epperson, PE Title: Vice President	Signature: _____ Date: March 23, 2003	

ESCO 4 (7/22/2002)	ENERGY SERVICES COMPANY – (ESCO) PERSONNEL QUALIFICATIONS		
Submitted By (Firm Name): Wiley & Wilson Submittal For (Project Title): Services for Energy Performance Contracting			
BRIEF RESUME OF KEY INDIVIDUAL PROPOSED FOR THIS PROJECT. PROVIDE ONE FORM FOR EACH PERSON.			
1) NAME AND TITLE: Robert G. Robinson, PE TYPICAL DUTY OR ASSIGNMENT: Senior Mechanical Engineer			
2) ASSIGNMENT FOR THIS PROJECT: Lead Mechanical Engineer PERCENT OF TYPICAL 40-HOUR WORKWEEK THIS PERSON WOULD SPEND ON PROJECT: _____ As Required _____ PERCENT			
3) EMPLOYEE OF: Wiley & Wilson			
4) YEARS OF EXPERIENCE: _____ 33 _____ YEARS TOTAL EXPERIENCE _____ 1 _____ YEARS WITH THIS FIRM			
5) EDUCATION: COLLEGE / DEGREE(S) / YEAR / SPECIALIZATION: VPI & SU / Professional Engineer / 1963 / Mechanical Engineer			
6) ACTIVE REGISTRATION: Year first registered / State / Discipline or Type 1971 / Virginia / Mechanical Engineer COMMONWEALTH OF VIRGINIA 6-DIGIT REGISTRATION / CERTIFICATE / LICENSE NUMBER: Architect _____ or Engineer # _____ 06015			
7) EXPERIENCE AND / OR QUALIFICATIONS RELEVANT TO THIS PROJECT: (List up to six (6) relevant projects and indicate your role and responsibility for each.) Virginia School for the Deaf, Blind, & Multi-Disabled at Hampton, VA HVAC Improvements – Various Buildings. Repairs, modifications, and/or replacement of HVAC and certain associated electrical equipment and connections at various buildings at VSDBM – Hampton. The work includes boiler replacements and HVAC modifications at Price, Ritter, Jones, and Stryker Halls. Virginia Community College System Term Contract, Richmond, VA New River Community College Mechanical and Electrical Upgrades to Martin and Godbey Halls. Boiler replacement, HVAC improvements and electrical distribution upgrade. NAS Oceana, Virginia Beach, VA <ul style="list-style-type: none"> • <i>Replace Fire Protection Systems in Hangars 200 & 500.</i> Replace overhead wet-pipe sprinkler system and provide new under-wing AFFF fire suppression system in existing aircraft hangars 200 and 500 at Oceana NAS, Virginia Beach, Virginia. The work also includes the provision of building additions to accommodate the new AFFF equipment and the replacement of existing fire pumps and associated electrical equipment. The project was designed under the new Navy criteria for under-wing fire protection utilizing trench nozzles and set the criteria for the lean-to hangar design of Hangar 500. • <i>Hi-Power CASS Equipment Install, Building 513 Avionics.</i> Provide new mechanical and electrical connections for new or relocated avionics test benches and generator test stands in rooms 12, 26, and 35 in Building 513, NAS Oceana. The project also includes construction of a building addition to house new 400-Hz generation and electrical distribution equipment and the extension of primary and secondary electrical distribution to the equipment. 			
The foregoing is a statement of fact. Typed name John H. Epperson, PE Title: Vice President Signature: _____ Date: March 23, 2003			